

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 55104393  
PUBLICATION DATE : 09-08-80

APPLICATION DATE : 02-02-79  
APPLICATION NUMBER : 54011226

APPLICANT : NIPPON ZEON CO LTD;

INVENTOR : INOUE HIDEAKI;

INT.CL. : C10L 3/00

TITLE : FUEL GAS ODORANT

ABSTRACT : PURPOSE: To provide a fuel gas odorant that produces sufficient odor in low concentration which consists of specific odor-generating component, acetylenic hydrocarbon, and tert-butylmercaptan.

CONSTITUTION: Two or more of odor-generating components (A) selected from methyl acrylate, ethyl acrylate, methyl methacrylate, allyl methacrylate, ethyl propionate, methyl n-butyrate, methyl isobutyrate, and puleenyl acrylate is added with 20wt% or more of, or preferably 35~50wt% of 4~8C acetylenic hydrocarbon such as butyne-1, vinylacetylene, hexyne, and, as needed, 2wt% or more of, or preferably 5~20wt% of tert-butylmercaptan, thereby providing a fuel gas odorant. This odorant in amount of 50wt.ppm or more, preferably 100wt.ppm is added to fuel gas.

COPYRIGHT: (C)1980,JPO&Japio